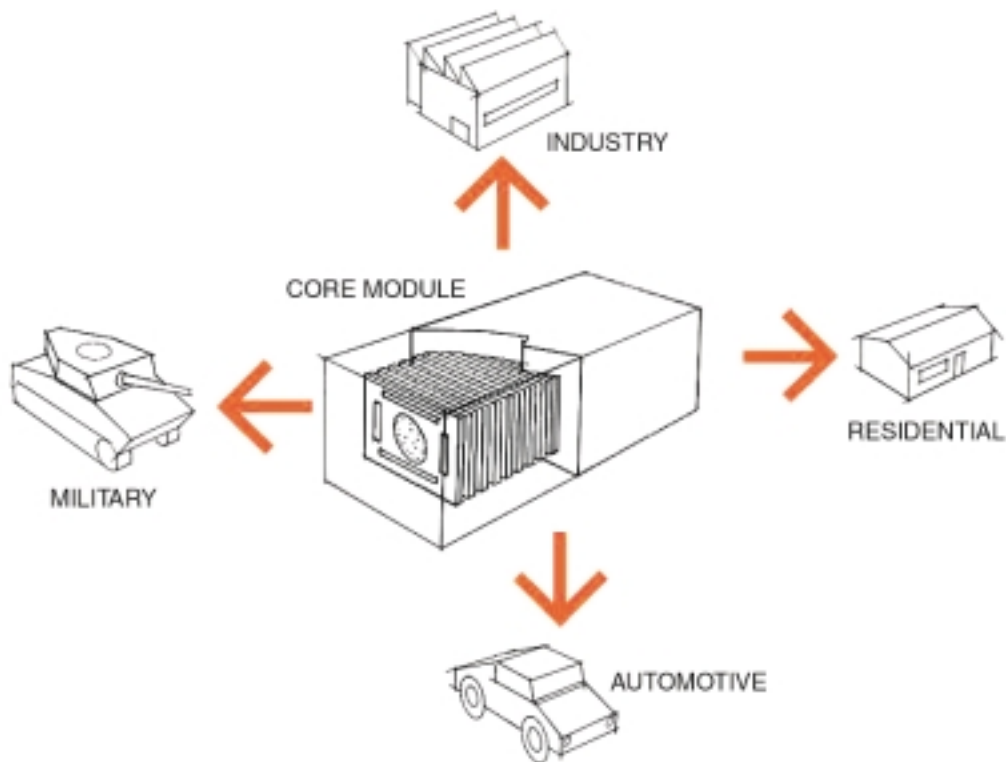


# **Solid State Energy Conversion Alliance (SECA) Workshop**

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**June 1-2, 2000**

**The Holiday Inn Inner Harbor  
Baltimore, Maryland**



**Pacific Northwest  
National Laboratory**  
Operated by Battelle for the  
U.S. Department of Energy



## *U.S. Department of Energy*

### *National Energy Technology Laboratory*



Dear Participant:

As a key individual in the fuel cell area, you have been identified as a leader and are invited to participate in a workshop to formulate a new Department of Energy (DOE) initiative. On June 1 and 2, 2000, the DOE's National Energy Technology Laboratory (NETL) and the Pacific Northwest National Laboratory (PNNL) will host a collaborative workshop at the Holiday Inn Inner Harbor in Baltimore, Maryland, to introduce you to, and gather your input for, a new fuel cell initiative that can result in fuel cells with low manufacturing costs and broad applications. The workshop attendees will include end users and participants from industry, national laboratories, universities, military, and government organizations.

The Solid State Energy Conversion Alliance (SECA) is a new DOE initiative to promote and apply advances in solid-oxide fuel cell (SOFC) technology to the commercialization of a low-cost broadly marketable SOFC module. The core of the application-specific system will be a common module that can be procured at low cost through high-volume manufacturing. The development of a low-cost common module will allow widespread penetration into stationary and transportation markets, ultimately leading to "Vision 21" central power station applications.

The agenda includes an initial plenary session featuring presentations on the SECA concept and structure. Industrial and government speakers will present information addressing the broad range of possible SOFC applications. Following the plenary session, six parallel breakout sessions will address technology areas that are considered key to the development of the low-cost SOFC module. A presentation of near-term solicitation opportunities will conclude the workshop program.

If you are interested in participating in this workshop, please complete and submit the workshop registration form and, if needed, the foreign national visitors form. Both forms are in the back of this flyer. Supporting information will be sent to all prospective participants a few weeks in advance of the workshop date. Your participation is needed to help structure a challenge to the fuel cell community; which will result in critical and substantial fuel cell improvements in cost and application.

Sincerely,

Rita A. Bajura  
Director, NETL

# AGENDA

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## Solid State Energy Conversion Alliance (SECA) Workshop

**Thursday, June 1, 2000**

- 7:30 a.m.                    *Registration and Continental Breakfast*
- 8:30 a.m.                    **Welcome**  
Joseph P. Strakey, Associate Director  
U.S. DOE, National Energy Technology Laboratory
- 8:40 a.m.                    **Plenary Introduction: Fossil Energy Mission and the Fuel Cell Program**  
Robert Gee, Assistant Secretary for Fossil Energy  
U.S. DOE, Office of Fossil Energy
- 9:00 a.m.                    **Keynote Address: The Solid State Energy Conversion Alliance (SECA); Its Structure, Target Applications, and Role in DOE's Strategic Plan**  
Rita A. Bajura, Director  
U.S. DOE, National Energy Technology Laboratory
- 9:30 a.m.                    **SECA: Transportation Applications**  
Donald P. McConnell, Associate Laboratory Director  
Pacific Northwest National Laboratory
- 9:50 a.m.                    **Solid Oxide Fuel Cells and Department of Defense Applications**  
Herbert Dobbs, National Automotive Center, TACOM
- 10:10 a.m.                   **Solid Oxide Fuel Cells and Stationary Applications**  
W. Peter Teagen, Arthur D. Little, Inc.
- 10:30 a.m.                   *Break*
- 10:45 a.m.                   **Industry Presentations: Fuel Cell Markets**  
Delphi Automotive Systems, Honeywell, McDermott Technology, Inc.
- 11:45 a.m.                   **SECA Question and Answer Session**  
U. S. DOE, NETL and Fossil Energy Representatives

12:15 p.m.	<i>Lunch</i>
1:30 p.m.	<b>Breakout Sessions</b> <ul style="list-style-type: none"><li>- Power Electronics</li><li>- Materials and Manufacturing Development</li><li>- Modeling and Simulation</li><li>- Fuel Processing</li><li>- Thermal Systems</li><li>- Controls and Diagnostics</li></ul>
3:00 p.m.	<i>Break</i>
3:15 p.m.	<b>Breakout Sessions</b> (continued)
4:30 p.m.	<i>Adjourn</i>
5:00 - 7:00 p.m.	<i>Reception</i>

## **Friday, June 2, 2000**

7:30 a.m.	<i>Registration and Continental Breakfast</i>
8:30 a.m.	<b>Breakout Sessions</b> <ul style="list-style-type: none"><li>- Power Electronics</li><li>- Materials and Manufacturing Development</li><li>- Modeling and Simulation</li><li>- Fuel Processing</li><li>- Thermal Systems</li><li>- Controls and Diagnostics</li></ul>
10:00 a.m.	<i>Break</i>
10:20 a.m.	<b>Summary of Breakout Sessions</b>
11:50 a.m.	<b>SECA: Near-Term Program Opportunities</b> Wayne A. Surdoyal, SECA Project Manager U.S. DOE, National Energy Technology Laboratory
12:00 p.m.	<i>Adjourn</i>

# GENERAL INFORMATION

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**Registration Fee: \$100**

*(includes lunch and a reception on Thursday, and continental breakfast and breaks for both days)*

**All attendees, including presenters, must register for the Solid State Energy Conversion Alliance (SECA) Workshop. Because of seating capacity, registration is limited to the first 180 registrants.**

The registration deadline is May 22, 2000. To register, complete the registration form included in this announcement and mail or fax it to NETL Event Management.

Payment of the \$100 registration fee may be made by check, money order, or by credit card. By check or money order: make payable to **the Holiday Inn Inner Harbor** and attach to your registration form. By credit card: complete the credit card information on the registration form (processing agent will be EG&G Technical Services). **Registration fees cannot be refunded after May 22, 2000.**

The meeting will be held at the Holiday Inn Inner Harbor in Baltimore, Maryland. Meeting materials will be provided at on-site registration.

## **FOREIGN NATIONAL VISITOR NOTICE**

All foreign nationals who wish to attend DOE sponsored conferences, meetings, workshops, or seminars are required to submit NETL Form F142.1-1 requesting a DOE unclassified visit. A minimum of 30 days advance notice is required for the review and approval process for unclassified foreign national visits. A foreign national is any person who is not a U.S. citizen and includes permanent resident aliens (PRAs or "green card holder").

NETL supports an active program of unclassified visits by foreign nationals. International cooperation and collaboration is an important element within our programs. NETL is required to ensure that these visits are conducted under prescribed conditions in a manner consistent with the U.S. Department of Energy's policies.

**The NETL Foreign National Visitor Form F142.1-1 is located in the back of this announcement. Submit the form as soon as possible to NETL Event Management, who will coordinate the process and make approval notification.**

## **NETL EVENT MANAGEMENT INFORMATION**

Phone: 304 285-4750 or 1-800-553-7681      Fax: 304 285-4459

E-mail: [confserv@netl.doe.gov](mailto:confserv@netl.doe.gov)

Web site: [www.netl.doe.gov](http://www.netl.doe.gov)

# HOTEL INFORMATION

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The Holiday Inn Inner Harbor, located at 301 West Lombard Street, Baltimore, Maryland, will be the official hotel for the workshop. The workshop rate is \$110.00 for single occupancy and \$125.00 for double occupancy, plus 12.5% tax.

For reservations, contact the hotel directly at **410-685-3500**. You must reference the **U.S. Department of Energy** to receive the special room rates listed above. Reservation requests must be made with a check, money order, or a major credit card guaranteeing the first night's room rate. A block of rooms will be held for this workshop until **May 12, 2000**. Any reservations made after May 12, 2000, will be charged the standard hotel rate.

Hotel check-in time is 3:00 p.m. and check-out time is 12:00 noon. Guaranteed reservations will be held until midnight on the expected day of arrival. In the event of a cancellation, the deposit will be refunded if notice of cancellation is given to the hotel prior to 6:00 p.m. on the expected day of arrival. If cancellation is not made prior to 6:00 p.m. on the expected day of arrival, the deposit will be forfeited.

## TRANSPORTATION

The Holiday Inn Inner Harbor is approximately 8 miles from the Baltimore-Washington International Airport. Airport shuttle service is available through Super Shuttle (1-800-BLUEVAN). The shuttle leaves the Holiday Inn every 30 minutes, and the cost for one-way transportation is \$11.

## PARKING

Parking is available at the Holiday Inn for \$6.00/day.



## DIRECTIONS

**From New Jersey, Philadelphia and New York:** Take I-95 South through Ft. McHenry Tunnel to I-395 North. I-395 becomes Howard Street. Turn left on Lombard.

**From Virginia and Washington, DC:** Take Baltimore/Washington Expressway North (295). Follow Russell Street North. Turn right at Pratt, left at Howard, left at Lombard.

**From North Maryland:** Take I-695 (Baltimore Beltway) to I-83 South until expressway ends. Turn right onto Lombard.

**From the West:** Take I-70 to I-695 South. Take I-95 North to I-395 North into Howard Street. Turn left at Lombard.



### BALTIMORE • INNER HARBOR

301 West Lombard Street  
Baltimore, Maryland 21201  
410-685-3500  
Fax 410-727-6110

# REGISTRATION: SECA Workshop

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(PLEASE PRINT OR TYPE)

Name \_\_\_\_\_

Affiliation \_\_\_\_\_

Address \_\_\_\_\_ MS - \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_

Zip Code \_\_\_\_\_ Country \_\_\_\_\_

Phone Number \_\_\_\_\_ Fax Number \_\_\_\_\_

E-mail Address \_\_\_\_\_

Are you a U.S. citizen? \_\_\_\_ Yes \_\_\_\_ No

If not, list citizenship \_\_\_\_\_

**Non-U.S. citizens wishing to attend must submit a Foreign National Visitor's form at least 30 days prior to the meeting. Please read the Foreign National Visitor Notice under General Information for instructions.**

☐ Check here to request a Vegetarian Meal

**Registration fees cannot be refunded after May 22, 2000**

Make your check or money order for the **\$100** registration fee payable to **the Holiday Inn Inner Harbor** and mail to:

**NETL Event Management**  
National Energy Technology Laboratory  
P.O. Box 880, MS-K07  
3610 Collins Ferry Road  
Morgantown, WV 26507-0880

or complete the credit card information below and fax to **304 285-4459** (credit card processing agent will be EG&G Technical Services).

\_\_\_\_ Visa \_\_\_\_ MasterCard

Credit Card Account No.: \_\_\_\_ - \_\_\_\_ - \_\_\_\_ - \_\_\_\_ - \_\_\_\_ - \_\_\_\_ - \_\_\_\_ - \_\_\_\_ - \_\_\_\_ - \_\_\_\_

Exp. Date: \_\_\_\_ - \_\_\_\_ - \_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_



**U.S. DEPARTMENT OF ENERGY**  
**Request for Foreign National**  
**Unclassified Visit or Assignment**

PRIVACY ACT STATEMENT - Collection of the information is authorized pursuant to the Atomic Energy Act of 1954, as amended, 42 U.S.C. 2011, and the Department of Energy Organization Act, Pub. L. No. 95-91. The primary purpose of the requested information is to determine unclassified access to facilities operated by the Department of Energy (DOE) or its contractors. Access to the information collected may be provided to appropriate Federal agencies for law enforcement purposes. Collection of the information is mandatory. Failure to provide the information may result in denial of access to DOE or contractor facilities and their personnel.

**PART I - PERSONAL DATA**

1. Name of Visitor (Family, Given, Middle)		2. Visitor Number		3. Request Number	
4. Gender of Visitor Male <input type="checkbox"/> Female <input type="checkbox"/>		5. Place of Birth (City, Country)		6. Date of Birth (MON-DD-YYYY)	
7. Country of Citizenship		8. Passport Number		9. Expiration Date (MON-DD-YYYY)	
10. Immigrant Alien Y/N <input type="checkbox"/>	11. Type of Visa		12. Expiration Date (MON-DD-YYYY)	13. Work Telephone	14. Fax Number
	11a. Visa No.				
15. Name and Address of Current Employer			16. Name and Address of Place of Work (if different from 15)		
Name:			Name:		
Street:			Street:		
City: State/Province:			City: State/Province:		
Zip Code: Division:			Zip Code: Division:		
Country:			Country:		
E-Mail Address:			E-Mail Address:		
17. Title, Position, or Description of Visitor's or Assignee's Duties					
17a. Subject Area of Visit/Assignment <b>Solid State Energy Conversion Alliance (SECA) Workshop</b>					